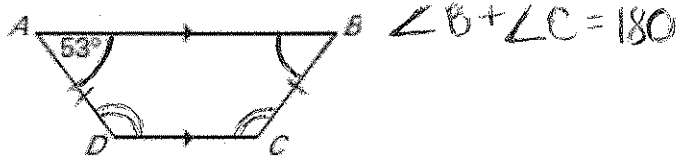


Homework 81 FORM A
Quadrilateral Properties

Name: _____
 Period: _____ Date: _____

Failure to show all work and write in complete sentences will result in LaSalle!

1) Find the measurements of angle B, C, and D.



2) Which of the following quadrilaterals have diagonals that are perpendicular?

perpendicular (cross at 90° angle)

- I. Parallelogram
- II. Rhombus
- III. Square
- IV. Kite

- A. I
- B. II and III only
- C. II, III, and IV
- D. II and IV only
- E. All of the above

3) If one diagonal of a rhombus is 10 cm and the other 24 cm, how long is each side of the rhombus?



To prove your answer above, draw four different diagrams with their diagonals.

Parallelogram

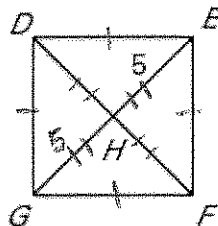
Rhombus

Square

Kite

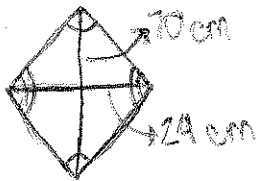
4) Find the length of DE.

- A. 5
- B. $5\sqrt{2}$
- C. 6
- D. $6\sqrt{2}$



Justify your answer in a sentence:

5) If one diagonal of a rhombus is 24 cm and the other is 70 cm, how long is each side of the rhombus?



6) Find the measurement of angles B, C, and D respectively.

